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... Automatic Planetary Transmission Using **Evolutionary** Computation [DETC2004 ... 57673]

An Experiment on **Weight** Sensation in ... **Design** in the UK Health Service [DETC2004 ...

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... to the application and **evolution** of machine learning techniques in **design**.

... Differently from **direct manipulation** methods, software agents offer ...

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... future outlook; network **design**; network **evolution**; network planning; ...

EFX offers an intuitive, visual, **direct-manipulation** user interface for ...

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**Evolution** has no "goal" or "**fitness**" of some task. ... as I was doing the

demonstration of the **Genetic Algorithm** and Genetic Programming, I said "No". ...

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... Equation 3. Final Goal **Weight**..... ... GA **Genetic Algorithm** ... a short **history** of agent- ...

[kim.rodgy.net/papers/ 2000%20\(Roddy%20and%20Dickson\)%20Modeling%20Human%20and%](#)

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... garding **health**-related stories? ... issues described have been addressed through the

**design** and implemen ... This is achieved by encouraging the **evolution** of agents to ...

[webir.org/resources/phd/Balabanovic\\_1998.pdf](#) - Supplemental Result - [Similar pages](#)

[Constraint - Computers : Programming : Languages - Directory](#)

... GENET; Guided Local Search, GLS; Guided **Genetic Algorithm**, GLS; Adaptive ... The **evolution**

of the concept is explained with ... DO NOT mark on the **exercise** pages. ...

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... 3-D input; 3-D surface; **Direct-manipulation** interfaces; Virtual tools", ...

Desktop slide show program; **Graphic design**; **Graphic design** software; ...

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He's now working on a "**direct manipulation**" language for Apple Computers. ...

In the popular rendition of neodarwinism today, the **origin** of **fitness** is ...

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From nl-kr-distribution-owner Wed Feb 24 13:31:54 1993 Received ...

... of biological **evolution** that can be used to **design** network architectures ...

A model world **interface** uses iconic displays and **direct manipulation** to ...

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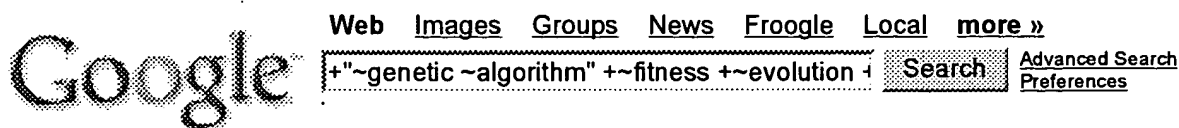


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It includes **interface** classes for DEC's ezd **graphics** server. ... EM: **Evolution**

Machine ga\_ucsd/ GAucsd: **Genetic Algorithm** Software Package gac/ GAC: Simple ...

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Begin4 Title: Oracletool Version: 0.98 Entered-date: 2000-01-28 ...

... Description: A light-weight implementation of full **Standard ML'97**, ...

It allows **creation** of document with wysiwyg text, data **graphics** representation. ...

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Capturing and Replaying Refactorings to Support **API Evolution**, 2005-02-20 04:42:15

... HCI/VL, -, Embodied User **Interfaces** for Really **Direct Manipulation** ...

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A constraint-based **interface** gives a feeling of **direct manipulation** of the ...

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Matlab has a set of software tools that enable **GUI design** (Matlab, 1997). ...

A simple **Genetic Algorithm** operated for 12 generations on subject ratings from ...

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application **design**, **graphical** user **interfaces**, etc). ... Slide the fingertip up

and down, you will hear the pitch of the note **slide**. To change the volume: ...

www.cs.ucl.ac.uk/teaching/ vive/PastProjects/SastreRamos2002.pdf - [Similar pages](#)

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ADAM: The **Art**, **Design**, Architecture & Media Information Gateway ... FEAST/2

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FLTK (pronounced "fulltick") is a LGPL C++ **graphical** user **interface** toolkit for

... GAlib is a C++ library that contains a set of **genetic algorithm** objects. ...

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Restrictions to the models can be added using a **graphical interface**. ... So why

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3-D **graphical** software, and a **direct-manipulation**. computer program will be

developed for ... models and integrating them into a **graphic** user **interface** ...

www.engr.uiuc.edu/communications/ engineering\_research/2003/pdf/Me\_IE.Sum.Text.pdf - [Similar pages](#)

Archive-name: C++-faq/libraries/part1 Comp-lang-c++-archive-name ...  
... to make the creation of highly-interactive, graphical, direct manipulation  
user interfaces ... EZD: - Interface classes for DEC's ezd graphics server. ...  
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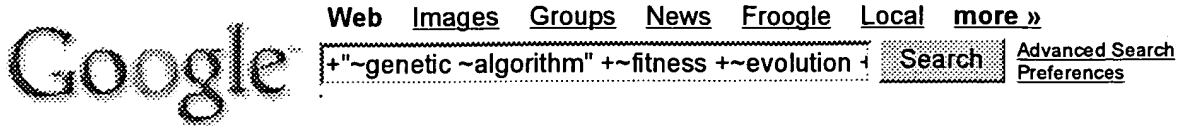


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the user of a **direct-manipulation graphical interface** by following the rules ...  
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**Standard GUI** tools are capable of displaying this kind of tree. ... We propose  
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Do not **design** worlds that seek to model real world places, unless those places  
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nipulation widgets or **direct manipulation interfaces**, as appropriate. ...  
channels all input from the **graphical interface** to the appropriate motion models ...  
[reports-archive.adm.cs.cmu.edu/ anon/2000/CMU-CS-00-163.pdf](#) - [Similar pages](#)

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Users build with components with **direct manipulation**, stacking them like Lego.  
... In Proceedings of the 1994 ALife, **Genetic Algorithm** and Neural Networks ...  
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... A promising future for **health** pros, by Jeannye Thornton in ... is the next logical step  
in **evolution**." >>> Chess, Games ... Just two of the many **Genetic Algorithm** FAQs ...  
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by **direct manipulation**. Its ultimate goal is to build complex products, both  
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EP710957, Air bearing slider and method of manufacture therefor ... EP439937,  
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[Evolving the Shape of Things to Come: A Comparison of Direct ...](#)

**Direct manipulation interfaces**, a term coined by Ben Shneiderman [12] in the ...

Each **slider** corresponds to one of the seven **design** space parameters ...

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[United States Patent Application: 0030095151](#)

As is understood in this **art**, in a **genetic algorithm**, ... guiding the **evolution**

through **direct manipulation** of the **genetic algorithm** as a solution evolves. ...

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visualizations to dynamically alter the **specification** of what ... **genetic algorithm**.

Name. Field. Individual. Gene. **Fitness** ...

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Also check out Java **Slider** (**Art** and Entertainment: Puzzles) for comparison. ...

Author's Description: A **graphical** demonstration of a **genetic algorithm** with ...

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proteins, myosin and actin, that **slide** across each other during **muscle** ...

**Evolutionary design** of ANN topologies through evaluation and breeding, ...

[www.esa.int/gsp/ACT/doc/ACT\\_RPR\\_6000\\_BIO\\_Review\\_AYRE.pdf](http://www.esa.int/gsp/ACT/doc/ACT_RPR_6000_BIO_Review_AYRE.pdf) - [Similar pages](#)

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"The subject of my [slide presentation] is the acquisition of conceptual ...

–Donald A. Norman, from **Design Principles for Human-Computer Interfaces**. ...

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However, **creation** without **design** usually leads to various database problems, ...

**Graphical User Interface (GUI)** 2. **Direct Manipulation** 3. Menu Selection ...

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EP308527, Air bearing **slider** rail **design** and mechanical method for producing it.

... EP585502, Method for the **creation** and realisation of parts with cad and ...

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selection of **design** elements and. definition of their **interfaces** and collaboration

... C1, a **genetic algorithm** development kit. libraries of ...

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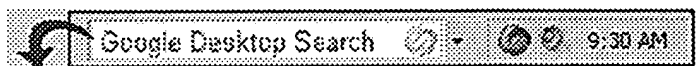
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version of the **GUI** were used to drive the **design** of the Web version. ... We are now all familiar with **direct manipulation interfaces**; their success testify ...

[www.ercim.org/publication/ws-proceedings/DELOS8/delos8.pdf](http://www.ercim.org/publication/ws-proceedings/DELOS8/delos8.pdf) - [Similar pages](#)

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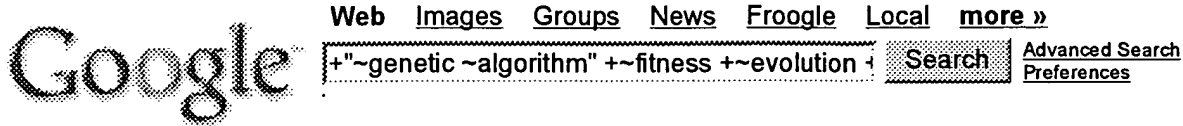
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[Application of interactive genetic algorithm to fashion ...](#) - by Kim - 11 citations  
[Towards Creative Evolutionary Systems with Interactive ...](#) - by Cho - 1 citations  
[On the Evolution of Parametric L-systems](#) - by Curry - 5 citations

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**Graphical. User Interface. PGAPACK. Parallel. Genetic Algorithm. Evolutionary Design**

Tool. Genes. **Fitness** of individual. device/circuit. Desired ...

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**[PPT] GaS : Genetic Algorithm Synthesis**

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The **evolution** is done through a hardware implementation of a **genetic algorithm**

... A **graphical user interface** is being designed in order to simplify the ...

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**EVolutionary Art v1.71 - Tutorial**

**EVolutionary Art.** A (short) tutorial... User **Interface** description. Toolbar ...

the window will have a **slider** to modify the individual's **fitness** (figure 9). ...

[lsiit.u-strasbg.fr/afid/logiciels/EVA/tutorial.html](http://lsiit.u-strasbg.fr/afid/logiciels/EVA/tutorial.html) - 36k - [Cached](#) - [Similar pages](#)

**JaVox**

How to modify the parameters used in the **genetic algorithm** for sound **evolution**.

JaVOX has a **graphic interface** that allows the user to modify the parameters ...

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Second, the **fitness** algorithm for evaluating the strength of possible ...

**Genetic Algorithm Design.** The chromosome for this project consisted of an array of ...

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**Fitness Function:** Absolute error to the target;. • **Genetic Algorithm.** - 400

individuals ... **Graphical Interface** - **Evolutionary Controls.** Specify All GA ...

[ehw.jpl.nasa.gov/NASA/EHWS/Documents/NASA\\_ITRS\\_EHWSensorReview-Final-forWEB.pdf](http://ehw.jpl.nasa.gov/NASA/EHWS/Documents/NASA_ITRS_EHWSensorReview-Final-forWEB.pdf) - [Similar pages](#)

**United States Patent Application: 0030095151**

As is understood in this **art**, in a **genetic algorithm**, ... of this **evolutionary** process, the general **fitness** of chromosomes in the population improves toward ...

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**Project 3**

The programs each implement a **genetic algorithm** using a different **design** approach;

... Your programs should contain a **graphical user interface** with its own ...

[www.cc.gatech.edu/classes/AY2003/cs4330\\_spring/projects/project3/project3.html](http://www.cc.gatech.edu/classes/AY2003/cs4330_spring/projects/project3/project3.html) - 14k -

[PPT] Weekly Report January 24, 2003

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**x** is the **design** variable vector **f(x)** is the **fitness** function ... **Fitness-based**.  
(constant valued). (linear increase). (**standard deviation**) ...

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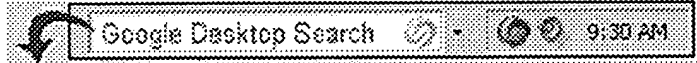
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The interactive **evolutionary design** prototype was reported to being most suited for ... Each **slider** corresponds to one of the seven **design space** parameters ...

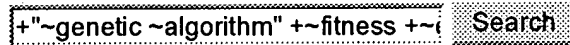
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[Evolutionary computation applied to algorithmic composition](#) - by Moroni - 5 citations

[Genetic-Algorithm Programming Environments](#) - by Filho - 61 citations

[Vox Populi: An Interactive Evolutionary System for ...](#) - by Moroni - 15 citations

### Evolutionary Computation

Peter Murphy did his MSc project on using a **Genetic Algorithm** to evolve control

... **Aesthetic Evolutionary Design** for Computer Graphics a comprehensive ...

[www.red3d.com/cwr/evolve.html](http://www.red3d.com/cwr/evolve.html) - 34k - [Cached](#) - [Similar pages](#)

### Evolutionary Computation: Software

This version of REGAL is provided with a **graphical user interface**. ... **Genetic**

**Algorithm Demo** A **graphical** demonstration of a **genetic algorithm** with the ...

[www.it.uom.gr/pdp/DigitalLib/EC/ec\\_soft.htm](http://www.it.uom.gr/pdp/DigitalLib/EC/ec_soft.htm) - 43k - [Cached](#) - [Similar pages](#)

### Introduction

This includes **graphical interface** widgets, and other object-oriented ...

Systems which incorporate **genetic algorithm's** for **evolution** of behavior in ...

[www.ventrella.com/Alife/Thesis/intro.html](http://www.ventrella.com/Alife/Thesis/intro.html) - 11k - [Cached](#) - [Similar pages](#)

### Hybrid Evolutionary Algorithms in Creative Design

Figure shows the architecture of a **standard genetic algorithm**. Individuals in

genetic algorithms use binary ... A **Hybrid Evolutionary Design System** ...

[www.arch.usyd.edu.au/~rob/study/Hybrid.html](http://www.arch.usyd.edu.au/~rob/study/Hybrid.html) - 27k - [Cached](#) - [Similar pages](#)

### [PDF] Conceptual Evolutionary Design by a Genetic Algorithm

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THE **GENETIC ALGORITHM**. In addition to its use in creative **design** and art ...

separate **fitness** values during **evolution** in. order to allow all objectives to ...

[www.cs.ucl.ac.uk/staff/P.Bentley/BEWAJ2.pdf](http://www.cs.ucl.ac.uk/staff/P.Bentley/BEWAJ2.pdf) - [Similar pages](#)

### [PDF] Generic Evolutionary Design

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Natural **evolution** is the ultimate in **generic evolutionary design**. ... an engineer;

the **genetic algorithm** optimised a **design** in only two days, ...

[www.cs.ucl.ac.uk/staff/P.Bentley/BEWAC5.pdf](http://www.cs.ucl.ac.uk/staff/P.Bentley/BEWAC5.pdf) - [Similar pages](#)

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### [PDF] Genetic Algorithm and Direct Search Toolbox 1 Datasheet

File Format: PDF/Adobe Acrobat - [View as HTML](#)

**Graphical user interfaces** and command-line functions ... **Genetic algorithm** tools

with numerous options for. **creation**, **fitness** scaling, selection, crossover, ...

[www.mathworks.com/mason/tag/proxy.html?dataid=3587&fileid=20427](http://www.mathworks.com/mason/tag/proxy.html?dataid=3587&fileid=20427) - [Similar pages](#)

### The Genetic Algorithm Example

This class is by no means a necessity for creating a **genetic algorithm**. ...

in the example only exist to aid in the **creation** of a nice **graphical interface**. ...

[library.thinkquest.org/29483/genetic\\_example.shtml](http://library.thinkquest.org/29483/genetic_example.shtml) - 15k - [Cached](#) - [Similar pages](#)



## Genetic Algorithm

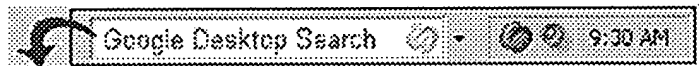
apple tree logo. **Genetic Algorithm** (A subtopic of Machine Learning) ... It also interfaces to an evolutionary algorithm that combines user-defined goals ...  
[www.aai.org/AITopics/html/genalg.html](http://www.aai.org/AITopics/html/genalg.html) - 39k - Cached - Similar pages

## Genetic algorithms and optimum robot design

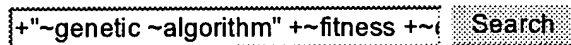
The **Genetic Algorithm** selects those offspring individuals for the next ...  
To evaluate the **fitness** of the individuals the phenotypic representation of the ...  
[www.robotic.dlr.de/Holger.Weiss/garep/node3.html](http://www.robotic.dlr.de/Holger.Weiss/garep/node3.html) - 25k - **Cached** - **Similar pages**



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